IETM Program Update to MG Stevenson

16 Oct 03

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U.S. Army Materiel Command

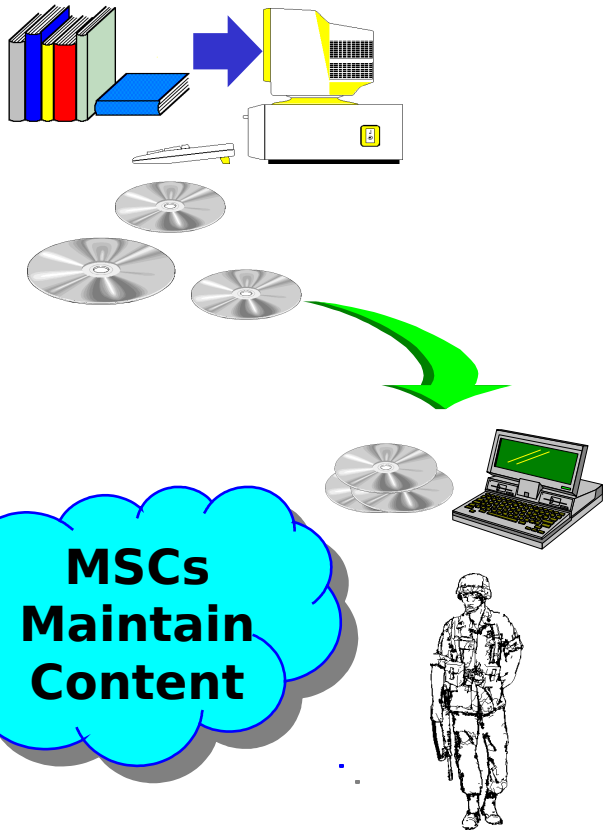
ESSENTIAL IN PEACE, INDISPENSABLE IN WAR

Purpose

To provide an information brief to the AMC G3 regarding on-going initiatives and program issues associated with the Army's IETM Program

Program Foundation

WHERE AMC SUPPORTS THE FIELD TODAY



Electronic Technical Manuals (ETMs)

- 11,500 ETMs and 25 Interactive Electronic Technical Manuals (IETM) on WEB
- 116 Weapon System CDs
- Maintain Army WEB Site
  - 41,000 Users

ETM/IETM Policy

- AR 25-30
- AMC Supply 1 to AR 25-30
- AMC-P 25-31 (Verification Plans), AMC-P 25-32 (Contract Packages), AMC-P 25-35 (Contracting for IETMs)
- Technical Manual Specifications and Standards (TMSS)

Tailored Index Listings

- Approximately 1,100 Field Requests for Information per Fiscal Year (FY)
- 1,241 Listings Provided in FY03
- Over 25,000 Listings Provided to Field Since 1987

IETM On-Going Initiatives

- **IETM Responsible Office**
  - **Central Office for Army's IETM Program**
    - **LOGSA Supporting IETM Program at Reduced Level *Without* Adequate Funding**
    - **Formerly Titled "IETM Executive Agency"**
  - **LOGSA Proposal Staffed and Approved**
    - **LTGs Beauchamp and Mahan, Jul and Oct 01**
    - **No Funding Provided**

IETM On-Going Initiatives

- **IETM Standards Update Effort**
  - **Standards Update Focuses on Four (4) Primary Areas**
    - **Automated Parts Ordering**
    - **Diagnostics**
    - **Standardized Troubleshooting**
    - **Common Look And Feel**
  - **Testing of IETM Standards Required**
    - **Test New Diagnostic Module**
    - **Confirm Usability of Common Look And Feel**
    - **Test Use of Functionality Selection Matrix**
    - **Apply DTD to Actual Weapon System Data**
  - **Funding to Support Testing Required**

IETM On-Going Initiatives

- **S1000D International Specification**
  - **Joint Service Effort With European Publications Community and Industry**
  - **Army Identified as Land System Requirements Lead**
    - **Participating on U.S. Technical Publications Specification Management Group (TPSMG) and Equipment Publications Working Group (EPWG)**
    - **Army Troubleshooting/Diagnostics Requirements in Current Standards Update Supports S1000D Effort**
  - **Conduct Requirements Analysis for Potential DoD Adoption/Use**
    - **Funding Crucial to Start Analysis and Mapping Between 40051/2361 and S1000D Specifications**
    - **Does the Army Need? Long Term Approach?**
      - **If So, Need a Migration Plan/Strategy**
  - **Funding to Support Analysis Required**

IETM On-Going Initiatives

- **Portable Document Format (PDF) to Extensible Markup Language (XML)**
  - **Conversion of PDF ETMs to XML Data Utilizing Native American Document Conversion Program**
    - **LOGSA Technical Monitor**
    - **During and After Conversion, Data Needs Continuous Updating/Sustainment**
    - **What Systems Do We Need to Start With?**
      - **System Prioritization Uncertain**
      - **Concept of Operations Lacking**
      - **Roles and Responsibilities Undefined**
  - **Big Sustainment Cost**
    - **Who Pays?**
    - **AMC Must POM for Sustainment**

Recommendations

- **Fund and Activate IETM Responsible Office**
  - **Approximately 1M Start-Up; $950K Yearly**
- **Fund Testing of Updated IETM Standards**
  - **Approximately $500K**
- **Fund S1000D Requirements Analysis/Mapping**
  - **Approximately $250K**
- **Follow-On Detailed Briefing Regarding IETM Standards and PDF/XML Conversion**

Backup Charts

Important Issues Facing IETMs

5-10 Years Ago		*NOW*
Executive Agency	EMPOWERMENT	Responsible Office
Data Standardization		Data Standardization
Authoring Systems		Authoring Systems
Enforcement		Enforcement
Content Data Management (CDMS)		Content Data Management System
Sustainment	FUNDING	Sustainment

Slow Movement Forward!

IETM Program Issues

- **IETM Responsible Office Proposal**
  - **Provides Army with One Central Office/Focal Point**
    - **Identified Sections for Support: Policy, New Technology, Field Support, and Centralized Funding for IETMs**
    - **IETM Programs are Confused on Where to Go Now?**
  - **Lack of Critical and Consistent Funding Support**
    - **POM IETM Efforts Fall Below the Funding Cut Line**
    - **Policy Documents Outdated / Inconsistent**
  - **Addresses Enforcement/Sustainment Issues**
    - **ASA(ALT) Responsible for PEOs and PMs**

IETM Program Issues

- **IETM Authoring Systems**
  - **Should AMC Merge Existing IETM Authoring and Viewing Systems (EMS-2 & IADS)?**
  - **DA Will Stop Funding Dual Systems in Near Future**
  - **Current Updating of Standards Goes a Long Way in Standardizing Data Needed for Both Systems**
    - **Standardized Data – Allows Authoring no Matter System Used**

IETM Program Issues

- **Content Data Management System (CDMS)**
  - **Where Will AMC Store Converted XML Data (What is Long Term Plan for Data Storage and Usability)?**
    - **LIDB (LOGSA)/JCALS/TLDD?**
    - **Contracted Data Base?**
  - **Army Does Not Currently Have a CDMS to Manage IETM Data**
    - **Army's IETM Working Group Needs to Examine/Analyze Options and Make a Recommendation to DA/AMC Leadership**
    - **Need DA/AMC Leadership Approval and Direction**

IETM Executive Agency Proposal

- **Designated IETM Executive Agent for Army in 1992 MOA**
  - **No Formal Authority or Funding**
- **Proposal Addresses Need for DA to Establish and Resource LOGSA as Army IETM Executive Agent**
- **Lack of Central Management Has Led to Increased Number of Non-Standard IETMs and Undue Sustainment Costs for Each Program**
- **By Implementing Proposal, DA/AMC Enables and Enforces a Single, Central Direction**

IETM Executive Agency Proposal

- **Ties all DA IETM Agencies Into a Centralized Policy and Standards Direction, Thus Reducing Non-Standard IETMs**
- **Promotes Standardization**
- **Provides Critical Funding and Support for IETM Executive Agent**
- **Provides Answer to “Who’s in Charge?” Question**
  - **Tasked by MG Stevenson in Nov 00 Briefing**
  - **Asked Again by LTG Beauchamp in 01**

Common Look and Feel

- **Joint Service Collaboration**
  - **Leverage off Work Done by Navy**
  - **Tri-Service IETM Technology Working Group Approved Nine (9) Standardized Buttons and Screen Layout**
- **Requirements/Feature Identification**
  - **MIL-STD-40051 and MIL-HDBK-1222 will Document**
- **Big Issue for Soldier/TRADOC**